

IN THE CLAIMS

Please cancel claims 7-8, 16, 24, and 32-33.

Please amend claims 1, 4, 9, 10, 13, 17, 18, 21, 25, 26, 29, and 34 as indicated below.

1. (Currently Amended) A method of community access control in a Multi-Community Node (MCN), said method comprising:

receiving a request for access to an object;

consulting a community information base (CIB) responsive to said request,

wherein said CIB includes:

a user community set (UCS) for each user of said MCN;

an application community set (ACS) for each application on said MCN;

and

an object community set (OCS) for each object residing within said MCN;

permitting access to said object in response to detecting:

said request is from a user[[,]]; and wherein

~~a user community set (UCS)~~ of said user is a superset of an ~~object~~

~~community set (OCS)~~ of said object; and

permitting access to said object in response to detecting:

said request is from a process[[,]]; and wherein

~~an application process community set (ACS)~~ of said process is a superset

~~of said~~ an OCS of said object.

2. (Original) The method of claim 1, wherein said object is an operating system controlled resource.
3. (Original) The method of claim 2, wherein said object is selected from the group

consisting of a file system, a storage volume, a directory, a file, a record, a memory region, a queue, a pipe, a socket, a port, or an input/output device.

4. (Currently Amended) The method of claim 1, wherein ~~the~~ an initial owner of said object is ~~the~~ a creator of said object.
5. (Original) The method of claim 1, further comprising permitting an owner of said object to designate a first user as a new owner of said object, in response to detecting a UCS of said first user is a superset of said OCS.
6. (Original) The method of claim 1, further comprising allowing a first process to change said OCS of said object to a subset of said ACS of said first process, in response to detecting an owner of said first process is an owner of said object and said ACS is a superset of said OCS.
7. (Canceled).
8. (Canceled).
9. (Currently Amended) The method of claim 8 1, wherein said CIB further includes a creator and a current owner for each object residing within said MCN.
10. (Currently Amended) A Multi-Community Node (MCN) comprising:

a community information base (CIB), wherein said CIB includes:

a user community set (UCS) for each user of said MCN;

an application community set (ACS) for each application on said MCN;

and

an object community set (OCS) for each object residing within said MCN;

a processing unit configured to:

receive a request for access to an object[[,]]; consult said CIB responsive to said request;
~~wherein said processing unit is configured to~~
permit access to said object in response to detecting:
 said request is from a user[[,]]; and wherein
 a ~~user community set~~ (UCS) of said user is a superset of an object
 community set (OCS) of said object[[,]]; ~~and wherein said~~
 ~~processing unit is configured to~~

permit access to said object in response to detecting:
 said request is from a process[[,]]; and wherein
 an ~~application process community set~~ (ACS) of said process is a
 superset of said OCS; ~~and~~

~~a community information base.~~

11. (Original) The MCN of claim 10, wherein said object is an operating system controlled resource.
12. (Original) The MCN of claim 11, wherein said object is selected from the group consisting of a file system, a storage volume, a directory, a file, a record, a memory region, a queue, a pipe, a socket, a port, or an input/output device.
13. (Currently Amended) The MCN of claim 10, wherein ~~the~~ an initial owner of said object is ~~the~~ a creator of said object.
14. (Original) The MCN of claim 10, wherein said processing unit is further configured to permit an owner of said object to designate a first user as a new owner of said object, in response to detecting a UCS of said first user is a superset of said OCS.
15. (Original) The MCN of claim 10, wherein said processing unit is further configured

to allow a first process to change said OCS of said object to a subset of said ACS of said first process, in response to detecting an owner of said first process is an owner of said object and said ACS is a superset of said OCS.

16. (Canceled).

17. (Currently Amended) The MCN of claim ~~16~~ 10, wherein said CIB further includes a creator and a current owner for each object residing within said MCN.

18. (Currently Amended) A computer system comprising:

a computer network; and

a multi-community node (MCN) coupled to said computer network, wherein said MCN comprises:

a community information base (CIB), wherein said CIB includes:

a user community set (UCS) for each user of said MCN;

an application community set (ACS) for each application on said MCN; and

an object community set (OCS) for each object residing within said MCN;

a processing unit configured to:

receive a request for access to an object[[],];

consult said CIB responsive to said request;

~~wherein said processing unit is configured to~~

permit access to said object in response to detecting:

said request is from a user[[],]; and wherein

~~a user community set (UCS) of said user is a superset of an object community set (OCS) of said object[[],]; and wherein said processing unit is configured to~~

permit access to said object in response to detecting:

said request is from a process[[],]; ~~and wherein~~

an ~~application process community set (ACS)~~ of said process is a
superset of said OCS; ~~and~~

~~a community information base.~~

19. (Original) The computer system of claim 18, wherein said object is an operating system controlled resource.
20. (Original) The computer system of claim 19, wherein said object is selected from the group consisting of a file system, a storage volume, a directory, a file, a record, a memory region, a queue, a pipe, a socket, a port, or an input/output device.
21. (Currently Amended) The computer system of claim 18, wherein ~~the~~ an initial owner of said object is ~~the~~ a creator of said object.
22. (Original) The computer system of claim 18, wherein said processing unit is further configured to permit an owner of said object to designate a first user as a new owner of said object, in response to detecting a UCS of said first user is a superset of said OCS.
23. (Original) The computer system of claim 18, wherein said processing unit is further configured to allow a first process to change said OCS of said object to a subset of said ACS of said first process, in response to detecting an owner of said first process is an owner of said object and said ACS is a superset of said OCS.
24. (Canceled).
25. (Currently Amended) The computer system of claim ~~24~~ 18, wherein said CIB further includes a creator and a current owner for each object residing within said MCN.

26. (Currently Amended) A carrier medium comprising program instructions, wherein said program instructions are executable to:

receive a request for access to an object;

consult a community information base (CIB) responsive to said request, wherein

said CIB includes:

a user community set (UCS) for each user of said MCN;

an application community set (ACS) for each application on said MCN;

and

an object community set (OCS) for each object residing within said MCN;

permit access to said object in response to detecting:

said request is from a user[[,]]; and wherein

~~a user community set (UCS)~~ of said user is a superset of an ~~object~~

~~community set (OCS)~~ of said object; and

permit access to said object in response to detecting:

said request is from a process[[,]]; and wherein

~~an application process community set (ACS)~~ of said process is a superset

~~of said~~ an OCS of said object.

27. (Original) The carrier medium of claim 26, wherein said object is an operating system controlled resource.

28. (Original) The carrier medium of claim 27, wherein said object is selected from the group consisting of a file system, a storage volume, a directory, a file, a record, a memory region, a queue, a pipe, a socket, a port, or an input/output device.

29. (Currently Amended) The carrier medium of claim 26, wherein ~~the~~ an initial owner

of said object is ~~the~~ a creator of said object.

30. (Original) The carrier medium of claim 26, wherein said program instructions are further executable to permit an owner of said object to designate a first user as a new owner of said object, in response to detecting a UCS of said first user is a superset of said OCS.
31. (Original) The carrier medium of claim 26, wherein said program instructions are further executable to allow a first process to change said OCS of said object to a subset of said ACS of said first process, in response to detecting an owner of said first process is an owner of said object and said ACS is a superset of said OCS.
32. (Canceled).
33. (Canceled).
34. (Currently Amended) The carrier medium of claim ~~33~~ 26, wherein said CIB further includes a creator and a current owner for each object residing within said MCN.